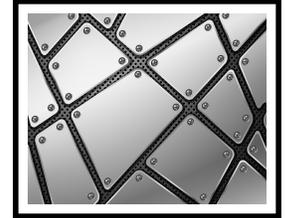




XCEL PRODUCTS, INC.



## RIGID VINYL Print Grade

**Rigid Vinyl** (PVC) film with gloss and/or matte surfaces. This grade has been engineered for use in the printing industry. It has excellent printing characteristics as well as outstanding impact properties. Typical applications of this material include greeting cards, advertisement cards, large placards, membership cards, loyalty tags and credit cards. This material is suitable for printing (*please verify and test for printing suitability*).

Xcel Rigid Vinyl print stock maintains high aesthetic qualities, gauge control and dimensional stability. Our quality control, surface consistency and uniformity help reduce any variances, thereby making it easier to run on-press.

STANDARD SPECIFICATIONS	Clear	White	Test Method
<b>Thickness</b> ( <i>Roll Only</i> )	5.0 - 10.0 mil	5.0 - 10.0 mil	-
<b>Thickness</b> ( <i>Roll &amp; Sheet</i> )	10.0 - 30.0 mil	10.0 - 30.0 mil	-
<b>Thickness Tolerance</b>	± 7% (<7.0 mil)	± 7% (<7.0 mil)	-
	± 5% (>7.1 mil)	± 5% (>7.1 mil)	-
<b>Width tolerance</b>	± 1/16" (roll)	± 1/16" (roll)	-
	± 1/32" (square cut)	± 1/32" (square cut)	-
<b>Gloss value (60°)</b> ( <i>gloss finish only</i> )	135 ±10	90 ±15	ASTM-D523
<b>Heat Distortion Temperature</b> ( <i>°F @ 264 psi</i> )	152 ± 5	152 ± 5	ASTM-D638
<b>Vicat Softening Temperature</b> ( <i>°C</i> )	89 ± 2	89 ± 2	ASTM-D638
<b>Specific gravity</b>	1.34 ± 0.02	1.40 ± 0.04	ASTM-D792
<b>Tensile strength</b> ( <i>minimum</i> )	> 6000 psi	> 6000 psi	ASTM-D638
<b>Elongation</b> ( <i>minimum</i> )	100% (<20.0 mil)	100% (<20.0 mil)	ASTM-D638
	70% (>20.0 mil)	70% (>20.0 mil)	ASTM-D638
<b>Dyne level</b>	32	32	ASTM-D2578
<b>Cold-break temperature</b>	-4 °F	-4 °F	ASTM-D1790
<b>UV Resistance</b>	<i>only when requested</i>	<i>only when requested</i>	

Note: ASTM-D1790 is based on the Annual Book 1992. The other ASTM methods above are based on the Annual Book 1999 and have been modified to suit practical conditions.

Available finishes: Gloss/Gloss, Matte/Matte, Gloss/Matte, Embossed/Matte & Embossed/Gloss (Please call for availability)

### PRINTER TYPE / INK COMPATIBILITY

Digital / Inkjet - UV-Cured  
Flexo - Conventional, UV-Cured  
Litho / Offset - Conventional, UV-Cured  
Screen - Conventional, UV-Cured

*Xcel Products, Inc. does not represent, warrant or guarantee that all inks will adhere to this media. Xcel recommends testing the product for all intended applications and print technologies.*

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AND  
**xcelfixtureshop.com**

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